



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

BAKKEN BEACON MEDIA, LLC
3301 SOUTH UNIVERSITY DRIVE
FARGO ND 58104

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: October 29, 2007

Facility Id: 135930

Call Sign: WZFG

This license expires 3:00 a.m.
local time, April 01, 2013.

License File Number: BL-20070601BTB

This license covers permit no.: BMP-20060824AAM

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	8:15 AM	5:00 PM	Jul.	4:45 AM	8:15 PM
Feb.	7:30 AM	5:45 PM	Aug.	5:15 AM	7:45 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:45 PM
Apr.	5:45 AM	7:15 PM	Oct.	6:45 AM	5:45 PM
May	5:00 AM	8:00 PM	Nov.	7:30 AM	5:00 PM
Jun.	4:30 AM	8:15 PM	Dec.	8:00 AM	4:45 PM

Callsign: WZFG

License No.: BL-20070601BTB

Name of Licensee: BAKKEN BEACON MEDIA, LLC

Station Location: DILWORTH, MN

Frequency (kHz): 1100

Station Class: B

Antenna Coordinates:

Day

Latitude: N 46 Deg 45 Min 44 Sec

Longitude: W 96 Deg 40 Min 19 Sec

Night

Latitude: N 46 Deg 45 Min 43 Sec

Longitude: W 96 Deg 40 Min 18 Sec

Critical

Latitude: N 46 Deg 45 Min 44 Sec

Longitude: W 96 Deg 40 Min 19 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 50.0 Night: 0.44 Critical: 5.0

Antenna Input Power (kW): Day: 50.00 Night: 0.47 Critical: 5.00

Antenna Mode: Day: ND Night: DA Critical: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 31.6 Night: 3.08 Critical: 10

Resistance (ohms): Day: 50 Night: 50 Critical: 50

Non-Directional Antenna: Day

Radiator Height: 60.2 meters; 79.5 deg

Theoretical Efficiency: 298.9 mV/m/kw at 1km

Non-Directional Antenna: Critical

Radiator Height: 60.2 meters; 79.5 deg

Theoretical Efficiency: 298.9 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60.7

Night:

Tower No.	ASRN	
1	None	60.7
2	None	60.7

Critical:

Tower No.	ASRN	
1	None	60.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 204.097

Standard RMS (mV/m/km): Night: 214.559

Augmented RMS (mV/m/km):

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	79.5
2	1.0000	105.400	90.0000	140.000	0	79.5

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. Phase No.	Antenna Monitor Sample Current Ratio
1 0	1
2 33	0.9

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
106	4	3.38
174	3.4	2.52

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 Location of Monitor Points:

Direction of 106° true North. From the WZFN transmitter site, turn left (east) on 90th Avenue South and proceed 3.2 kilometers (2miles) to Country Road 52. Turn right (southeast) onto County Road 52 and proceed 1.1 kilometers (0.7 miles). The monitor point is located on the left (east) side of the road, 9 meters (30 feet) from the center stripe.

Direction of 174° true North. From the WZFN transmitter site, turn left (east) on 90th Avenue South and proceed 1.6 kilometers (1 mile) to County Road 11. Turn right (south) on County Road 11 and proceed 3.2 kilometers (2miles) to 110th Avenue South. Turn right (west) on 110th Avenue South and proceed 1.1 kilometers (0.7 miles). The monitor point is located on the left (south) side of the road, 15.2 meters (50 feet) from the center stripe.

- 3 Ground System:

Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 68.2 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

*** END OF AUTHORIZATION ***